

LIST OF U.S. CUSTOMS LABORATORY METHODS

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USP 731 Loss on Drying

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference is a procedure for the determination of the weight of volatile matter lost after drying. It should prove useful in the analysis of mixtures with organic solvents throughout the Harmonized Tariff Schedule of the United States (HTSUS). The remaining material may be used for further analysis.

2 REFERENCES

USP 731
Loss on Drying

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USP 733 Loss on Ignition

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference is a procedure for the determination of the percentage of organic matter lost after ignition. It should prove useful in the analysis of organic-inorganic mixtures or articles throughout the Harmonized Tariff Schedule of the United States (HTSUS). The remaining material resulting from ignition may be used in further analysis. Note that the residual material may oxidize or undergo other reactions.

2 REFERENCES

USP 733
Loss on Ignition

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USP 726 Electrophoresis

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference contains a general discussion on electrophoresis theory and application. Electrophoresis should prove useful in the analysis of proteins, peptides, DNA, RNA and other biological substances which may be found in different commodities of Headings 2934, 3002, 3502, 3504 and other related headings of the Harmonized Tariff Schedule of the United States. This reference is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

USP 726
Electrophoresis

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Qualitative Analysis for Medicaments & Pharmaceutical Substances

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following list of references contains procedures and references which should prove useful in the analysis for medicaments and pharmaceutical substances in different commodities. This list is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

USP 23

United States Pharmacopeial Convention, Inc.
Rockville MD, 1994

Food Chemical Codex, 3rd Edition
Committee on Codex Specifications
National Academy of Sciences,
Washington, D.C., 1981

Clarke's Isolation and Identification of Drugs, 2nd Edition
Editors: A.C. Moffat, J.V. Jackson,

M.S. Moss and B. Widdop
The Pharmaceutical Press, London, 1986

Instrumental Data for Drug Analysis,
2nd Edition

Volumes 1-5

Compiled by T. Mills III, J.C. Roberson,
H.H. McCurdy, W.H. Wall
CRC Press, Boca Raton FL, 1992

Drug Base Drug Identification Database, Forensic Laboratory Edition
James F. Wesley
Wesmont Press, NY 1995

Martindale's The Extra Pharmacopoeia
Editor: James E.F. Reynolds
The Pharmaceutical Press
London 1989

Publications from CND Analytical,
Auburn, AL

Analytical Profiles of Substituted 3,4-Methylenedioxyamphetamines: Designer Drugs Related to MDA (Volume I)

Analytical Profiles of Designer Drugs Related to the 3,4-Methylenedioxyamphetamines (Volume II)

Analytical Profiles of Amphetamine and Related Phenethylamines

Analytical Profiles of the Anabolic Steroids

*Analytical Profiles of the Anabolic
Steroids and Related Substances
(Volume II)*

Analytical Profiles of Benzodiazepines

*Analytical Profiles of Precursors and
Essential Chemicals*

*Analytical Profiles of Methylaminorex
and "Designer" Analogues*

*Analytical Profiles of Cocaine, Local
Anesthetics and Common Diluents
found with Cocaine*

*Analytical Profiles of the Barbiturates
and other Depressants*

*Analytical Profiles of the
Hallucinogens*

*Analytical Profiles of the Narcotic
Analgesics*

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USP 71 Sterility Tests

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference contains procedures for the determination of sterility of liquid and powder samples as well as various articles and devices. These procedures should prove useful in the analysis of sterile materials discussed in Heading 3006 of the Harmonized Tariff Schedule of the United States (HTSUS). This reference is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

USP 71
Sterility Tests

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USP 501 Salts of Organic Nitrogenous Bases

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference is a quantitative procedure based on the absorbance of organic nitrogenous bases. It should prove useful particularly in commodities of Chapters 29 and 30 of the Harmonized Tariff Schedule of the United States (HTSUS).

2 REFERENCES

USP 501
Salts of Organic Nitrogenous Bases

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ASTM D 3870 **Practice for Establishing Performance Characteristics** **for Colony Counting Methods in Microbiology**

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference contains enumeration methods for microorganisms. Specificity, accuracy and selectivity of the methods are discussed. Cultures of microorganisms are covered under Heading 3002. This reference is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

ASTM D 3870

Practice for Establishing
Performance Characteristics for
Colony Counting Methods in
Microbiology

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USP 81 Antibiotics - Microbial Assays

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference contains methods for determining the activity (potency) of an antibiotic. A table of antibiotics listed with their corresponding test organism is provided. The cylinder-plate and turbidimetric methods of microbial assays are discussed. Antibiotics are covered in Headings 2941, 3003 and 3004. This reference is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

USP 81

Antibiotics - Microbial Assays

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USP 191 Identification Tests - General

SAFETY PRECAUTIONS

USP 191

Identification Tests - General

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference contains a number of identification tests (spot tests) for various ions. The tests are generally not applicable to mixtures unless otherwise noted. These spot tests should prove especially useful in the analysis of organic and inorganic compounds in the Harmonized Tariff Schedule of the United States (HTSUS), specifically, Chapters 28, 29, and 30, with possible applications throughout the tariff. This reference is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

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USP 201 TLC Identification Test

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following reference contains a general thin layer chromatography procedure for the identification of various drug substances which should prove useful in the analysis for medicaments and pharmaceutical substances in different commodities of the Harmonized Tariff Schedule of the United States (HTSUS) such as Headings 2939, 3003, 3004 and other related headings. This reference is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

USP 201
TLC Identification Test